

L1 ANSWER 2 OF 8 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN
ACCESSION NUMBER: 1993-234424 [29] WPIX
DOC. NO. CPI: C1993-104538
TITLE: Removal of lipid(s) from high density lipoprotein(s) from human blood serum - by lyophilising, one stage extn. with chloroform methyl alcohol and rinsing with di ethyl-ether at 0 deg. C, and filtration at low pressure.
DERWENT CLASS: B04 D16
INVENTOR(S): SIGALOV, A B
PATENT ASSIGNEE(S): (SIGA-I) SIGALOV A B
COUNTRY COUNT: 1
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
SU---1752187	A3	19920730 (199329)*		3	C07K-015-16<--	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
SU---1752187	A3	1990SU-4889390	19901211

PRIORITY APPLN. INFO: 1990SU-4889390 19901211

INT. PATENT CLASSIF.:

MAIN: C07K-015-16

BASIC ABSTRACT:

SU 1752187 A UPAB: 19931116

Lipoproteins from human blood serum are sepd. by successive ultracentrifuging and dialysed in 91 of a 10 mM soln. of ammonium bicarbonate at 4 deg.C for 15 hrs. The soln. of lipoproteins is placed in a flask, frozen and lyophilised for 15 hrs. The lyophilised lipoproteins are placed in a flask and 200 ml of a 3:1 mixt. of chloroform and methanol which is cooled to 0 deg.C, is addded. After 30 mins. of mixing at 0 deg.C, 800 ml of diethyl ether, cooled to 0 deg.C is added and mixed for 30 mins. The suspension is filtered through a No 3 filter at reduced pressure, and dried at reduces pressure.

USE/ADVANTAGE - In biochemistry. High-density lipoproteins from human blood serum are lyophilised and the lipids contained in them are removed by a simpler, less labour intensive process. Repeated extractions and the use of refrigerated centrifuging are avoided. Manual intervention is reduced. The duration of the process is reduced by 8-20 times. Used in diagnostic and immunological research. Bul.28/30.7.92

Dwg.0/0

L1 ANSWER 3 OF 8 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN
ACCESSION NUMBER: 1988-353929 [49] WPIX
DOC. NO. CPI: C1988-156569
TITLE: Reconstituted high density lipoprotein particles contg. lipid(s) - useful for removing lipid-soluble materials from body fluids, drug delivery and diagnosis.
DERWENT CLASS: B04 B07 C03
INVENTOR(S): GORDON, B R; LEVINE, D M; PARKER, T S; RUBIN, A L; SAAL, S D; SIMON, S R; SAAL, S
PATENT ASSIGNEE(S): (ROGO-N) ROGOSIN INST
COUNTRY COUNT: 17
PATENT INFORMATION: